

Appln. No. 09/905,717

Amendment Date: December 4, 2005

Reply to Office Action of November 9, 2005

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A receiver for receiving and Efficiently separating a composite 3-G wireless communication signal into [its] constituent base-band components, wherein said receiver combines [multiple] processing tasks of a [conventional] 3-G receiver using a single filter, [in two entities] the single filter comprising

an equal-ripple linear phase recursive filter channelizer performing spectral translation and bandwidth reduction, and

an equal-ripple linear recursive interpolator for performing sample rate changes[,].

[whereby the channelizer entity performs the processing required to operate multiple channels in a single device.]

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)